SYSTEM FOR TRIGGERING THE CONTROL PLANE IN AN ASYNCHRONOUS CONNECTION-ORIENTED TRANSMISSION NETWORK

Abstract

1   Asynchronous connection-oriented transmission network of the (ATM) network type comprising a plurality of switching nodes (12, 14, 16, 18) interconnected by connection lines, each of these switching nodes being associated with a control point in charge of determining the best route between any source node (12) and any destination node (18) when a connection has to be established therebetween by identifying which ones of the connection lines are eligible based

6   upon the requirement of a quality of service. Such an ATM network is characterized in that each switching node comprises Control ATM Test Application (CATMTA)(22) and a Deamon ATM Test Application (DATMTA)(32) so that, at any time, a user interfacing a source node can test the connectivity of a network connection from the source node to a destination node by initiating a connection procedure wherein a call setup message is sent by the CATMTA of the source node

11   to the destination node and the DATMTA of the destination node sends back an acknowledgment message to the source node.